



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

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Valley Campus, Coimbatore – 641 032, Tamil Nadu, INDIA



DEPARTMENT OF MECHATRONICS ENGINEERING

Faculty Patent Details

Sl. No.	Name of the Faculty (Author)	Patent Title	Application Number	Published Date	Granted Date
1.	S.PremAnand	Artificial Intelligence based techniques to analyse antibacterial properties of silver nanoparticles	202211020243	13-05-2022	-
2.	S.PremAnand	Futuristic Automation For Electric Vehicle Cs Charging Point Prediction And Booking System	202241025865 A	20-05-2022	-
3.	S.PremAnand	Battery Management System In E-Vehicles	202241025859 A	20-05-2022	-
4.	S.PremAnand	Online predictive maintenance of electric motors using Internet of Things	202231040194 A	29-07-2022	-
5.	M.Kumaresan	Human Activity Recognition using Spiking Neural Network	202141021959	02-07-2021	-
6.	M.Kumaresan	Agile and Smart traffic control system	202241006313	18-02-2022	-
7.	M.Kumaresan	Railwar Track crack detection Robot	202241025827 A	13-05-2022	-
8.	K.Kesavaraj	Predicting the User Preferences on e-Commerce sites using Machine Learning Approach	202241003961	24-01-2022	-
9.	K.Kesavaraj	A systematic approach enabled with iot technology to Monitor the Water Resources and Avoid the Disasters	202221018867	30-03-2022	-
10.	K.Kesavaraj	Portable Drone Catcher	202241025856 A	20-05-2022	-
11.	K.Kesavaraj	Vital Sign Cognizer	202241025854 A	20-05-2022	-
12.	N.Dhamodharan	A systematic approach enabled with iot technology to Monitor the Water Resources and Avoid the Disasters	202221018867	30-03-2022	-
13.	Dr.R.MadhuSudhanan	Biometric Based Voting System Using Image Processing	202241020175 A	22.04.2022	-
14.	Mr.P.Karthik	Hand Gesture Controlled Robotic Arm	202241025825 A	13-05-2022	-
15.	Mr.P.Karthik	A Smart Chair Sitting Posture Recognition System	202241025852 A	20-05-2022	-

16.	MrM.M.Jegan	Design And Analysis Of Three Axis Ubiquitously Ceiling Turner	202241025849 A	20-05-2022	-
17.	MrM.M.Jegan	Solider Health Care Monitoring & Tracking System Using Iot	202241025838 A	20-05-2022	-
18.	Dr.Pradeep Johnson	Automobile Seat Design Ergonomics and Whiplash Protection system	202241017967 A	15-04-2022	-
19.	Dr.Pradeep Johnson	Mars Rover Using 6 Wheeled Drive Mechanism	202241025834 A	13-05-2022	-
20.	Dr.Pradeep Johnson	Portable Solar Tracker	202241025833 A	14-05-2022	-
21.	Dr.Pradeep Johnson	Battery Management System In E-Vehicles	202241025859 A	20-05-2022	-
22.	Dr.T.Vandarkuzhali	Detection and Countermeasures for Cyber Security Threats to Wireless Networks on a Chip	202241021034 A	22-04-2022	-
23.	Dr.T.Vandarkuzhali	Automatic Street Lighting Using Renewable Energy Sources	.20224102304 6 A	06-05-2022	-
24.	MrM.M.Jegan	Design Robot with Dielectric Material to Work in High Voltage Electric Environment	202241013549 A	25-03-2022	-
25.	Dr.P.T.Saravana Kumar	Industrial Inspection of Machined Work Piece Using Computer Vision	202241025853 A	20.05.2022	-
26.	M.Karthikeyan	AI powered Facial Recognition	202241025850 A	20-05-2022	-
27.	M.Karthikeyan	Forest Fire Detection	202241025820 A	20-05-2022	-
28.	T.Prabhu	Artificial Intelligence based techniques to analyse antibacterial properties of silver nanoparticles	202211020243	13-05-2022	-
29.	T.Prabhu	Chatbot for Foundry Applications	202241025822 A	20-05-2022	-

30.	T.Prabhu	Design of Vertical Axis Wind Turbine With Variable Swept Area	202241025824 A	13-05-2022	-
31.	T.Prabhu	AI Based 3-Wheeled High-Power Mountain E-Bike	202241006975 A	04-03-2022	-
32.	Mr. G. Thilak	Solar Refrigerator Using Peltier Effect	202241025826 A	04-03-2022	-
33.	Mr. G. Thilak	Design And Development Of Fan Light Control System And Face Detection Attendance System	202241025836 A	04-03-2022	-
34.	Mr. G. Thilak	An Alert System To Prevent Thefts	202241013892 A	25-03-2022	-
35.	Mrs. S. SS. Sindhu	Design And Development Of Robotic Arm With Replacable Effector	202241025832 A	13-05-2022	-
36.	Mrs. S. SS. Sindhu	Iot Based Automation In Domestic Sewage Treatment Of Optimize Water Quality	202241025861 A	20-05-2022	-
37.	Mrs.D.Dhanalakshmi	Microcontroller Based Industry Surveillance Robot	202241025851 A	20-05-2022	-
38.	Mrs.D.Dhanalakshmi	Agile And Smart Traffic Control System	202241006313	18-02-2022	-
39.	Mrs. S. SS. Sindhu	Agile And Smart Traffic Control System	202241006313	18-02-2022	-
40.	Mrs. S. SS. Sindhu	Human Activity Recognition Using Spiking Neural Network	202141021959	02-07-2021	-
41.	Ms.S.Sowmya	Design And Development Of Ai Based Seed Suggesting And Monitoring System	202241025846 A	20-05-2022	-
42.	Mrs.D.Dhanalakshmi	Smart Trolley Bag	202241025855 A	20-05-2022	-